

FIG. 1

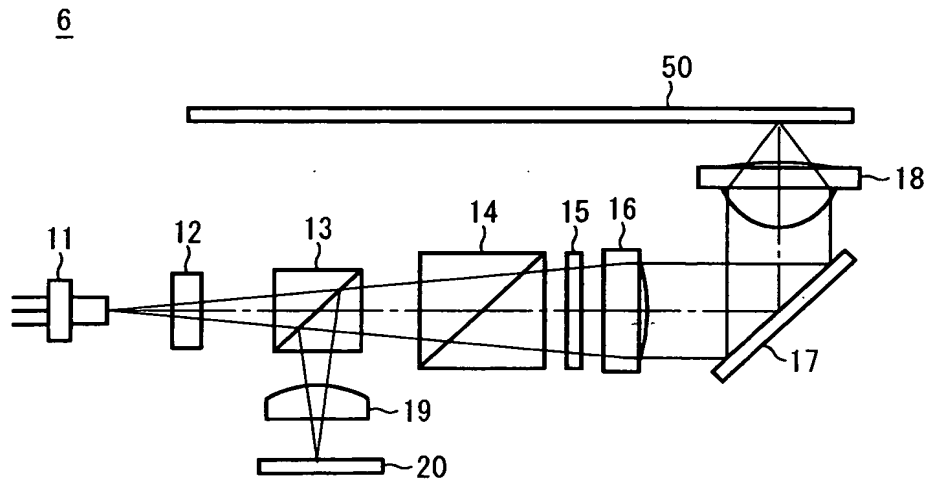


FIG. 2

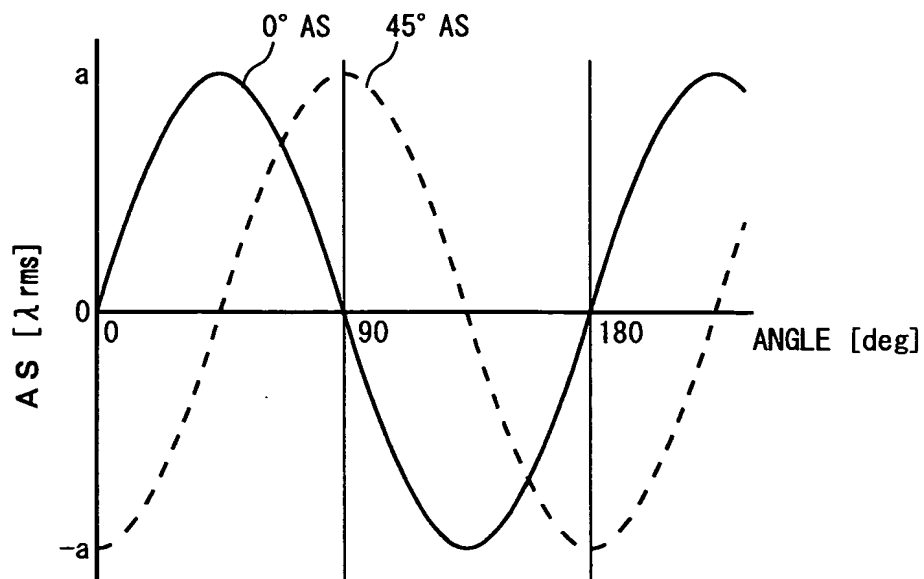


FIG. 3

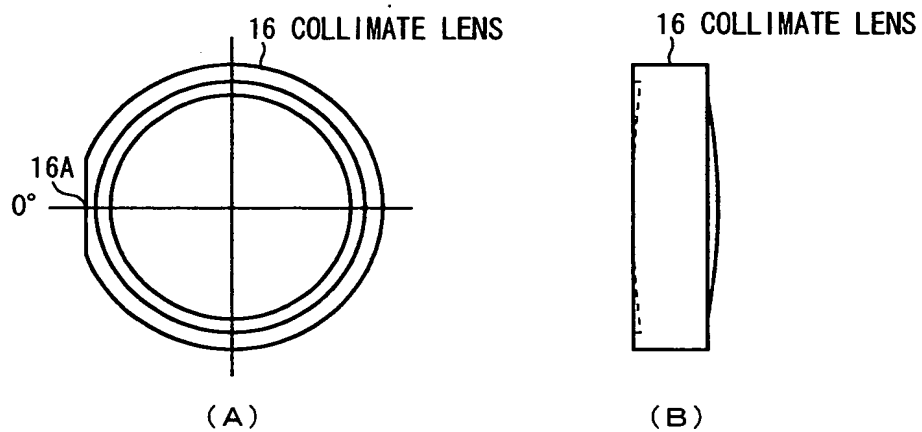


FIG. 4

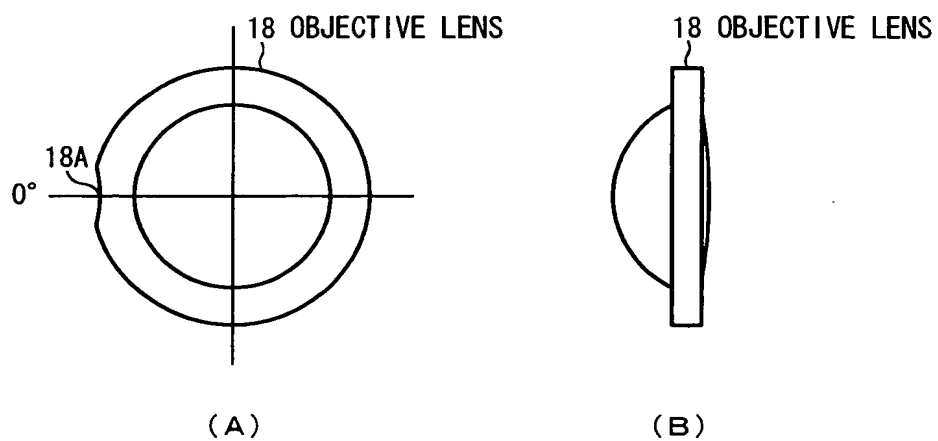


FIG. 5

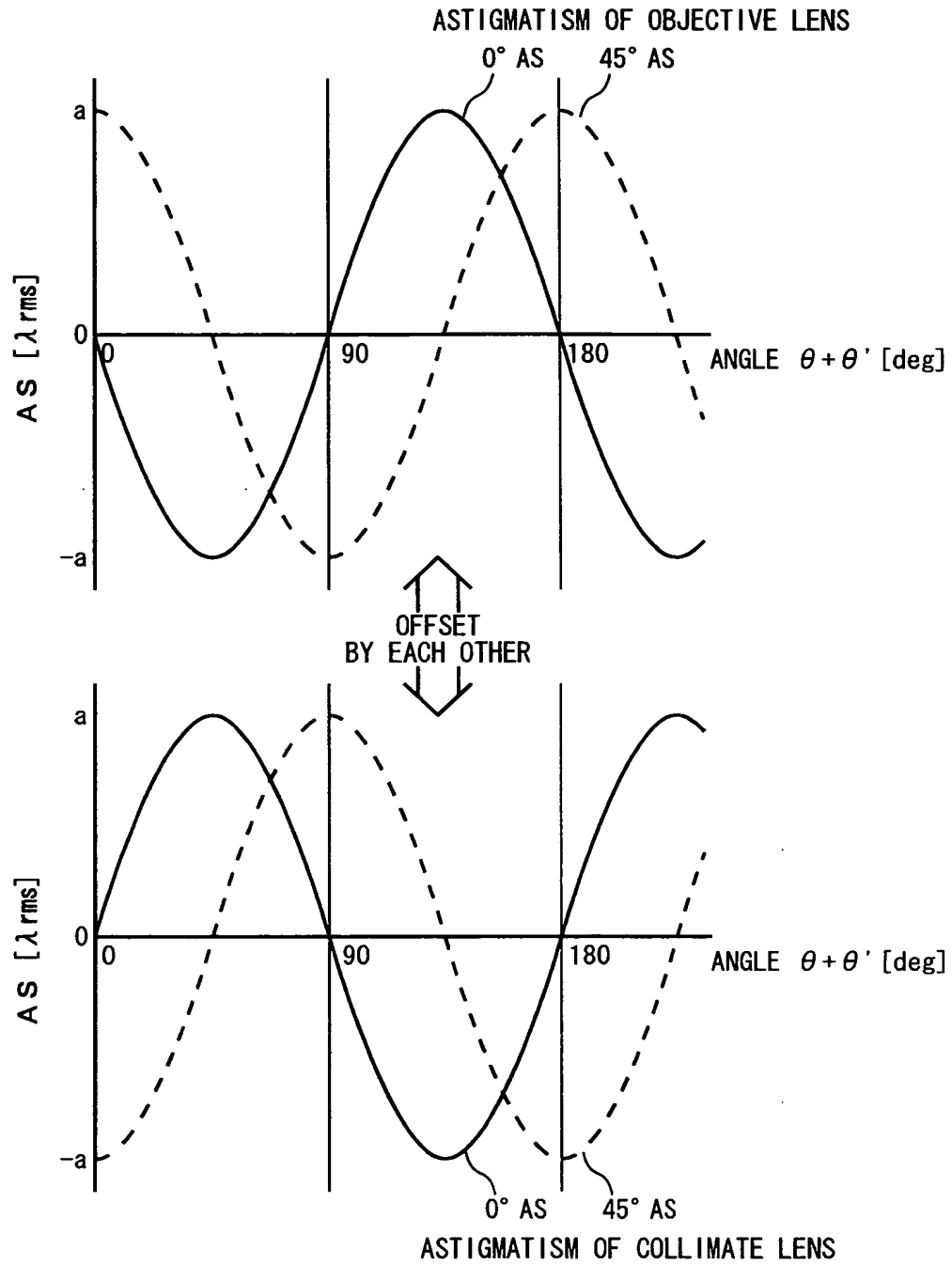


FIG. 6

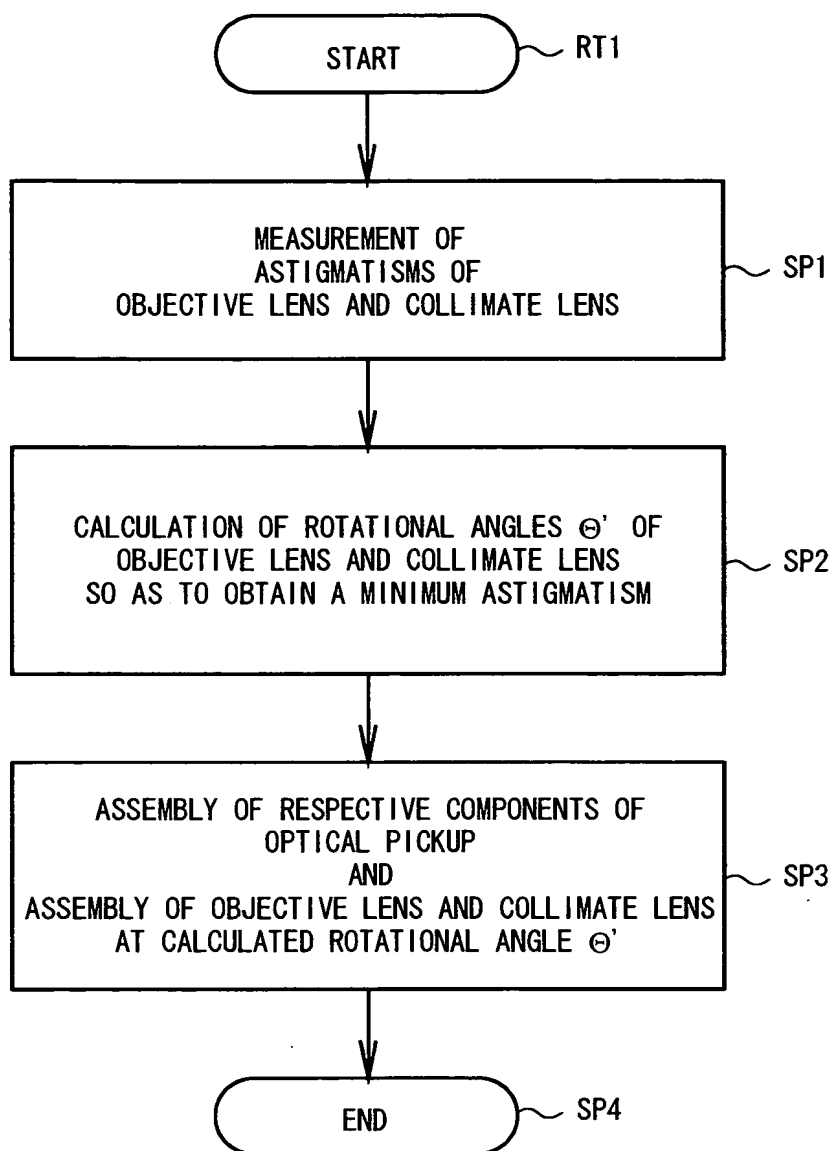


FIG. 7

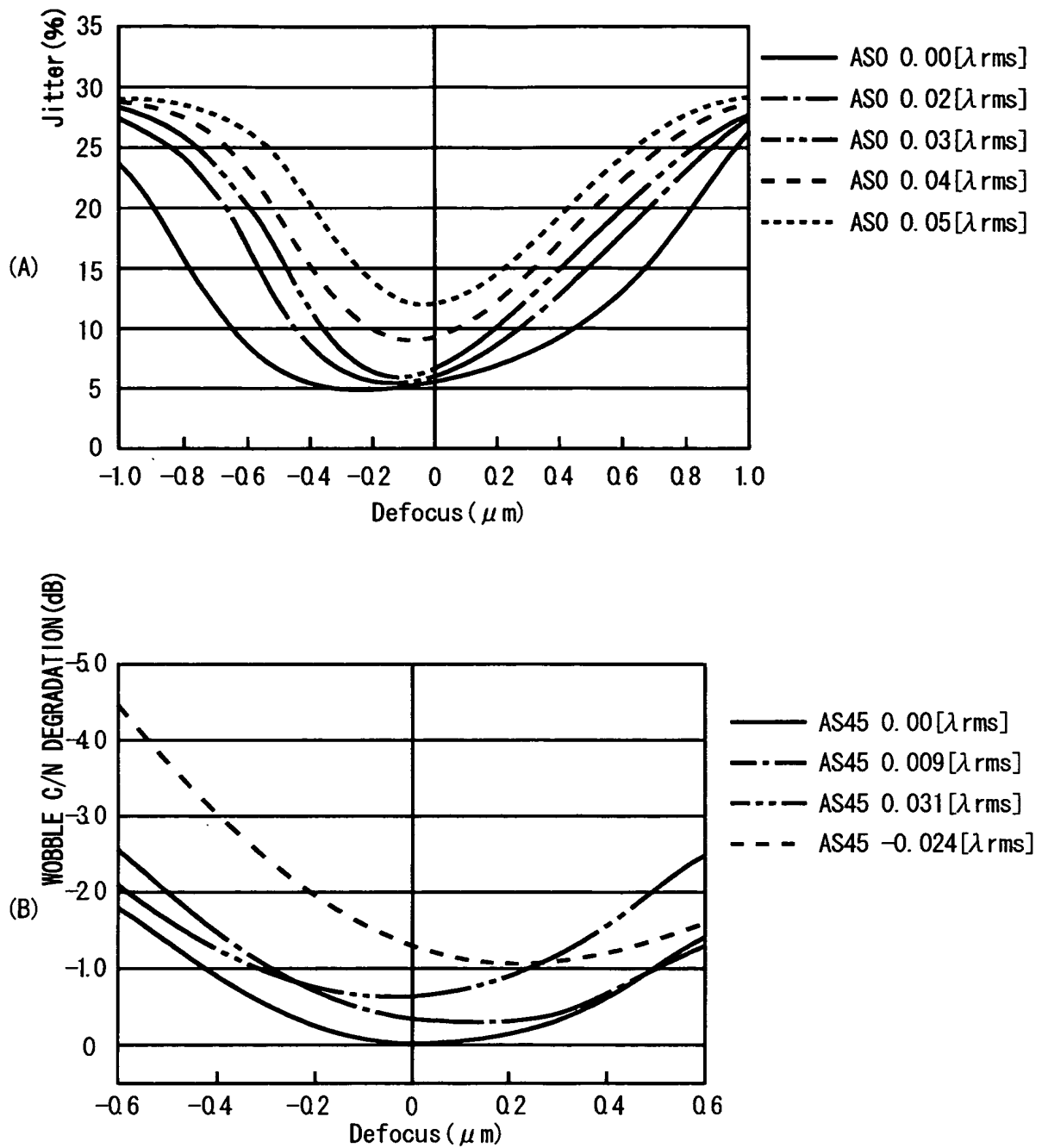


FIG. 8

	WITH ASTIGMATISM OFFSET		WITHOUT ASTIGMATISM OFFSET	
	OAS	45AS	OAS	45AS
average	-0.2	0.1	0.0	0.0
σ	11.3	11.7	9.1	7.8
ave+3 σ	33.9	35.2	27.4	23.4
ave-3 σ	-34.2	-35.0	-27.4	-23.4

[λ rms]

FIG. 9

DESCRIPTION OF SYMBOLS

1 OPTICAL DISK APPARATUS, 2 CONTROL SECTION, 3 SERVO CIRCUIT,
4 SPINDLE MOTOR, 5 FEED MOTOR, 6 OPTICAL PICKUP,
7 SIGNAL PROCESSING SECTION, 11..... LASER DIODE, 12 GRATING,
13 DEFLECTED BEAM SPLITTER, 14 BEAM SPLITTER, 15 WAVELENGTH PLATE,
16 COLLIMATE LENS, 17 ERECTING MIRROR, 18 OBJECTIVE LENS,
19 LIGHT-GATHERING LENS, 20 PHOTO DETECTOR, 50 OPTICAL DISK